(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau

AIPO OMP



(43) International Publication Date 8 December 2005 (08.12.2005)

PCT

(10) International Publication Number WO 2005/116939 A1

(51) International Patent Classification⁷: G06T 17/40, G06F 3/00, 17/50, H04N 13/00

(21) International Application Number:

PCT/JP2005/009820

(22) International Filing Date: 23 May 2005 (23.05.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:

2004-158026 27 May 2004 (27.05.2004) JP 2004-158025 27 May 2004 (27.05.2004) JP

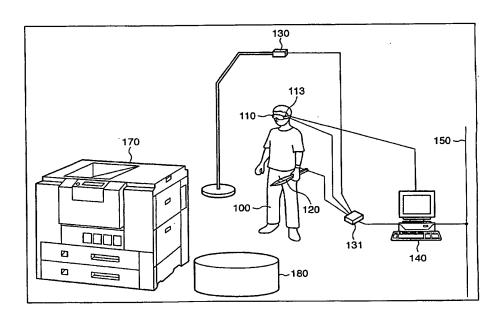
- (71) Applicant (for all designated States except US): CANON KABUSHIKI KAISHA [JP/JP]; 3-30-2, Shimomaruko, Ohta-ku, Tokyo, 1468501 (JP).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): MORITA, Kenji [JP/JP]; c/o CANON KABUSHIKI KAISHA, 3-30-2, Shimomaruko, Ohta-ku, Tokyo, 1468501 (JP). OKUNO, Yasuhiro [JP/JP]; c/o CANON KABUSHIKI KAISHA,

3-30-2, Shimomaruko, Ohta-ku, Tokyo, 1468501 (JP). NORO, Hideo [JP/JP]; c/o CANON KABUSHIKI KAISHA, 3-30-2, Shimomaruko, Ohta-ku, Tokyo, 1468501 (JP). KATAYAMA, Akihiro [JP/JP]; c/o CANON KABUSHIKI KAISHA, 3-30-2, Shimomaruko, Ohta-ku, Tokyo, 1468501 (JP).

- (74) Agent: OHTSUKA, Yasunori; 7th FL., SHUWA KIOI-CHO PARK BLDG., 3-6, Kioicho, Chiyoda-ku, Tokyo 102-0094 (JP).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,

[Continued on next page]

(54) Title: INFORMATION PROCESSING METHOD, INFORMATION PROCESSING APPARATUS, AND IMAGE SENSING APPARATUS



(57) Abstract: The position and orientation of the viewpoint of an observer (100) are acquired. The position and orientation of a stylus (120) are acquired. A list image is laid out near the position of the stylus (120). An image of a virtual space after laying out the list image, which is seen in accordance with the position and orientation of the viewpoint, generated. The generated image is output to the display screen of an HMD (110).

WO 2005/116939 A1



ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

Published:

with international search report